PTO/SB/05 (06-03)
Approved for use through 07/31/2003. OMB 0651-0032
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HTII ITV	Attorney Docket No. 490102001400						
UTILITY PATENT APPLICATION	First Inventor Frederic M.A. COPPINGER						
TRANSMITTAL	METHOD AND APPARATUS TO REDUCE						
	Title   SECOND ORDER DISTORTION IN OPTICAL COMMUNICATIONS						
(Only for new nonprovisional applications under 37 CFR 1.53(b))	Express Mail Label No. EV 335358525 US						
APPLICATION ELEMENTS	MS Patent Application						
	ADDRESS TO. Commissioner for Patents						
See MPEP chapter 600 concerning utility patent application con	ontents. P.O. BOX 1450 Alexandria, VA 22313-1450						
1. X Fee Transmittal Form (e.g., PTO/SB/17) - 2 pag (Submit an original, and a duplicate for fee processing)							
2 Applicant claims small entity status.	Computer Program (Appendix)  Nucleotide and/or Amino Acid Sequence Submission						
See 37 CFR 1.27.  3. X Specification [Total Pages] 15	(if applicable, all necessary)						
(preferred arrangement set forth below)							
Descriptive title of the invention     Cross Reference to Related Applications	b. Specification Sequence Listing on:  i. CD-ROM or CD-R (2 copies); or ii. Paper						
<ul> <li>Statement Regarding Fed sponsored R &amp; D</li> <li>Reference to sequence listing, a table,</li> </ul>	c. Statements verifying identity of above copies						
or a computer program listing appendix  - Background of the Invention	ACCOMPANYING APPLICATIONS PARTS						
<ul> <li>Brief Summary of the Invention</li> <li>Brief Description of the Drawings (if filed)</li> </ul>	Assignment Papers (cover sheet & document(s))						
- Detailed Description - Claim(s)							
- Abstract of the Disclosure  4. X Drawing(s) (35 U.S.C. 113) [Total Sheets 3	Disclosure 10. 37 CFR 3.73(b) Statement (when there is an assignee) Attorney  U.S.C. 113) [Total Sheets 3 ] 11. English Translation Document (if applicable)  [Total Sheets ] 12. Information Disclosure Copies of IDS						
1,000,000							
<del></del>	Statement (IDS)/PTO-1449 Citations						
a. Newly executed (original or copy)	13. Preliminary Amendment						
b. Copy from a prior application (37 CFR 1.63(d)) (for continuation/divisional with Box 18 completed)	14. X Return Receipt Postcard (MPEP 503) (Should be specifically itemized)						
i. DELETION OF INVENTOR(S) Signed statement attached deleting	15. Certified Copy of Priority Document(s) (if foreign priority is claimed)						
inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).	Nonpublication Request under 35 U.S.C. 122 (b)(2)(B)(i).						
300 31 OFN 1.03(4)(2) and 1.33(4).	Applicant must attach form PTO/SB/35 or its equivalent.  17. Other:						
6. X Application Data Sheet. See 37 CFR 1.76 - 3 pages							
18. If a CONTINUING APPLICATION, check appropriate box, as	and supply the requisite information below and in the first sentence of the specification						
ollowing the title, or in an Application Data Sneet under 37 CFR	R 1.76;						
Continuation Divisional Continuation-in							
Prior application information: Examiner  For CONTINUATION or DIVISIONAL APPS only: The entire div	Art Unit: disclosure of the prior application, from which an oath or declaration is supplied under						
Box 5b, is considered a part of the disclosure of the accompanyir The incorporation <u>can only</u> be relied upon when a portion has be	VIDG CONTINUATION OF divisional application and is beroby incorporated by reference.						
	RESPONDENCE ADDRESS						
X Customer Number:	25226 OR Correspondence address below						
	20220 Sincepolitories addites velon						
Name							
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City State	te Zip Code						
Country Telep	ephone Fax						
Name (Print/Type) Norman R. Klivans	Registration No. (Attorney/Agent) 33,003						
Signature Now Ow	Aw Date August 26, 2003						
	7.16900.20, 2000						
I hereby certify that this correspondence is being deposited in an envelope addressed to: MAIL STOP PATENT APPLIANCE.	ted with the U.S. Postal Service as Express Mail, Label No. EV 335358525 US,						
1450 on the date shown below	PLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-						



Dated: August 26, 2003

(Anthony Soljanich)

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Complete if Known

FEE TRANSMITTAL for FY 2003  Effective 0/01/2002. Petert free are subject to annual revision.  Applicant Calains small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT (\$) 894.00  METHOD OF PAYMENT (\$) 894.00	PER TRANSMITTAL			Complete if Known							
Filing Date   Concurrently Herewith   First Name Inventor   Frederic M.A. COPPINGER   Suminor Name   Not Yot Assigned   And Unit   Not Yot Assigned   And Un	FEE IRANSMILIAL		Application Number Not Yet Assigned								
Applicant claims small entity status. See 37 CFR 1.27   TOTAL AMOUNT OF PAYMENT (s) 8.94.00   Attorney Docket No.   490102001400	for EV 2002		<del></del>								
Applicant claims small entity status. See 37 CFR 1.27  Art Unit Not Yet Assigned  Art Unit Not Yet Assigned Not Yet Sell Yet			<del></del>				Frederic M.A. COPPINGER				
Applicant claims small entity status. See 37 CFR 1.27  TOTAL AMOUNT OF PAYMENT (check all that apply)  METHOD OF PAYMENT (check all that apply)  Ones	Effective 01/01/2003, Patent fees are subject to annual revision.										
METHOD OF PAYMENT (check all that apply)	Applicant claims small entity status. See 37 CFR 1.27		Art Linit								
METHOD OF PAYMENT (check all that apply)   Substitution   Check   Credit   Money   Check	TOTAL AMOUNT OF PAYMENT (\$) 894.00						<del></del>				
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Card		FEE CALCULATION (continued)									
Large Entity   Small Entity   Smal		one 3. ADDITIONAL FEES									
Deposit Number   Depo	X Deposit Account										
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Morrison & Foerster LLP   1052   50   2052   25   Surcharge - late provisional filing fee or cover sheet.	Account   03-1952						Fee Desc	cription	Fee Paid		
Name	Deposit	1051	130	2051	65	Surcharge -					
The Director is hereby authorized to:   Cober at that apply)   Sheet		1052	50	2052	25	Surcharge -					
Supplemental   Supp	The Director is hereby authorized to: (check all that apply)	1002	. 50	2002	20	sheet.					
Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account.	X Credit any overpayments	1053	130	1053	130	Non-English	n-English specification				
Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account.		1812	2,520	1812	2,520	For filing a re	quest for ex p	parte reexamination			
The properties of the above-id-ordified deposit account.		1804	920*	1804	920*			of SIR prior to			
1251   110   2251   155   156   156   157   15		1805	1,840*	1805	1,840*	Requesting	publication of	of SIR after			
Large Entity   Small Entity   Fee	FEE CALCULATION	1251	110	2251	55						
Fee   Fee   Fee   Fee   Fee   Fee   Fee   Fee   Fee   Description   Fee Pald   1,450   2254   725   Extension for reply within fourth month   1001   750   2001   375   Utility filing fee   1401   320   2401   160   Notice of Appeal   1003   520   2003   260   Plant filing fee   1402   320   2402   160   Filing a brief in support of an appeal   1403   320   2402   160   Filing a brief in support of an appeal   1403   320   2403   140   Request for oral hearing   1405   320   2403   140   Request for oral hearing   1405   1451   1,510   1451   1,510   Plattion to revive - unavoidable   1453   1,300   2452   55   Petition to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2452   55   Plattion to revive - unavoidable   1453   1,300   2452   55   Plattion to revive - unavoidable   1453   1,300   2452   55   Plattion to revive - unavoidable   1453   1,300   2452   55   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,300   2453   650   Plattion to revive - unavoidable   1453   1,	1. BASIC FILING FEE	1252	410	2252	205	Extension fo	r reply within				
Code   (\$)   Code   Code   (\$)   Code	Large Entity Small Entity	1253	930	2253	465	Extension fo	r reply within	n third month			
1001   750   2001   375   Utilify filing fee   750.00   1255   1,970   2255   985   Extension for repty within fifth month   1002   330   2002   165   Design filing fee   1401   320   2401   160   Notice of Appeal   1003   520   2003   260   Plant filing fee   1403   280   2403   140   Request for oral hearing   1005   160   2005   80   Provisional filing fee   1451   1,510   1451   1,510   Petition to institute a public use proceeding   1451   1,510   1451   1,510   Petition to revive - unavoidable   1453   1,300   2453   850   Petition to revive - unavoidable   1451   1,510   1451   1,510   Petition to revive - unavoidable   1453   1,300   2453   850   Petition to revive - unavoidable   1501   1,300   2501   650   Utility issue fee (or reissue)   1502   470   2502   235   Design issue fee   1502   2470   2502   235   Design issue fee		1254	1,450	2254	725	Extension fo	or reply within	n fourth month			
1002   330   2002   165   Design filing fee   1401   320   2401   160   Notice of Appeal   1401   320   2401   160   Notice of Appeal   1402   320   2402   160   Filing a brief in support of an appeal   1403   280   2403   140   Request for oral hearing   1405   1500   1500   150		1255	1.970	2255	985	· · · · · · · · · · · · · · · · · · ·					
1003   520   2003   260   Plant filing fee   1402   320   2402   160   Filing a brief in support of an appeal   1403   320   2402   140   Request for oral hearing   1405   1,510   Petition to institute a public use proceeding   1451   1,510   1451   1,510   Petition to revive – unavoidable   1452   110   2452   55   Petition to revive – unavoidable   1453   1,300   2453   850   Petition to revive – unavoidable   1453   1,300   2453   850   Petition to revive – unavoidable   1453   1,300   2453   850   Petition to revive – unavoidable   1453   1,300   2453   850   Petition to revive – unavoidable   1452   110   2452   55   Petition to revive – unavoidable   1453   1,300   2453   850   Petition to revive – unavoidable   1453   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,300   2453   850   Petition to revive – unavoidable   1452   1,510   Petition to revive – unavoidable   1453   1,510   Petition to revive – unavoidable   1453   1,400   1,		1	•	1		· · · · · · · · · · · · · · · · · · ·					
1004   750   2004   375   Reissue filling fee		1									
1451   1,510	``			2403	140	Request for oral hearing					
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE   Total Claims   28   -20   = 8   x   18.00   = 144.00   1503   630   2503   315   Plant issue fee		1451	1,510	1451	1,510	Petition to in	etition to institute a public use proceeding				
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE    State   Fee from below   Fee Paid   1502   470   2502   235   Design issue fee	CURTOTAL (4) (2) 750.00	1452	110	2452	55	Petition to re	on to revive - unavoidable				
Total Claims   28	SUBTUTAL (1) (5) /50.00	1453	1,300	2453	650	Petition to re	ion to revive - unintentional				
Total Claims   28	2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501	1,300	2501	650	Utility issue	ue fee (or reissue)				
Total Claims		1502	470	2502	235	Design issue	ssue fee				
Claims		1503	630	2503	315	Plant issue f	ee	İ			
Multiple Dependent  280.00 = 144.00   1807   50   1807   50   Processing fee under 37 CFR 1.17(q)    Large Entity   Small Entity   Fee   Fee   Code   (\$)   Code   (\$)   1202   18   2202   9   Claims in excess of 20   1201   84   2201   42   Independent claims in excess of 3   1203   280   2203   140   Multiple dependent claims in excess of 3   1204   84   2204   42   ** Reissue independent claims in excess of 20   1205   18   2205   9   ** Reissue claims in excess of 20   1206   18   2205   9   ** Reissue claims in excess of 20   1207   18   2205   9   ** Reissue claims in excess of 20   1208   2209   310   310   310   310   310   310   310   1209   310   310   310   310   310   310   1200   310   310   310   310   310   1201   310   310   310   310   310   1202   310   310   310   310   310   1203   310   310   310   310   310   1204   310   310   310   310   310   1205   310   310   310   310   310   1206   310   310   310   310   310   1207   310   310   310   310   1208   310   310   310   310   1209   310   310   310   310   1200   310   310   310   310   1200   310   310   310   310   1200   310		1460	130	1460	130	Petitions to 1	the Commis	sioner			
Large Entity Small Entity Fee Fee Fee (5) Code (5) Code (5) Code (5) Fee Description  1806 180 1806 180 Submission of Information Disclosure Stmt  8021 40 Recording each patent assignment per property (times number of properties) Filing a submission after final rejection (37 CFR 1.129(a))  1201 84 2201 42 Independent claims in excess of 3  1203 280 2203 140 Multiple dependent claims in one paid 1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b))  1204 84 2204 42 "Reissue independent claims over original patent 1802 900 1802 900 Request for Continued Examination (RCE) or and over original patent 1802 900 1802 900 Request for expedited examination of a design application  1205 18 2205 9 "Reissue claims in excess of 20 and over original patent 1802 900 Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Complete (if applicable)  Registration No. (Altorney/Agent)  7802 1803 1806 180 Submission of Information Disclosure Stmt 1802 Submission of Information Disclosure Stmt 1802 Recording each patent assignment per property (times number of properties)  Filing a submission after final rejection (37 CFR 1.129(a))  7807 2810 375 For each additional invention to be examined (37 CFR 1.129(b))  88021 40 8021 40 Recording each patent assignment per property (times number of properties)  Filing a submission of Information Disclosure Stmt  8802 1809 375 Filing a submission after final rejection (37 CFR 1.129(a))  8809 375 For each additional invention to be examined (37 CFR 1.129(b))  8809 375 For each additional invention to be examined (37 CFR 1.129(b))  8809 375 For each additional invention to be examined (37 CFR 1.129(b))  8809 375 For each additional invention to be examined (37 CFR 1.129(b))  8809 375 For each additional invention to be examined (37 CFR 1.129(b))  8809 375 For each additional invention to be examined (37 CFR 1.129(b))  8809 375 For each additional invention to be examined (37 CFR 1.129(b))  8		1807	50	1807	50	Processing t	fee under 37				
Fee Fee Fee Code (\$) Code (\$) Fee Description  1202 18 2202 9 Claims in excess of 20 1201 84 2201 42 Independent claims in excess of 3  1203 280 2203 140 Multiple dependent claims in one paid 1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(a))  1204 84 2204 42 ** Reissue independent claims over original patent over original patent  1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  1206 18 2205 9 ** Reissue claims in excess of 20 and over original patent  1207 18 2205 9 ** Reissue claims in excess of 20 and over original patent  1208 18 2205 9 ** Reissue claims in excess of 20 and over original patent  1209 18 2205 9 ** Reissue claims in excess of 20 and over original patent  1200 1802 900 1802 900 Request for expedited examination of a design application  1201 1802 900 1802 900 Request for expedited examination of a design application  1202 18 2205 9 ** Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00  ***or number previously paid, if greater; For Reissues, see above  **SUBMITTED BY  **Complete (if applicable)  **Reduced by Recording each patent assignment per property (times number of properties)  **Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00		1806	180	1806	180	Submission	of Information				
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1204 84 2204 42 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) 144.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Complete (if applicable)  Registration No. (Altorney/Agent)  Request for continued Examination (RCE)  Request for expedited examination of a design application  Other fee (specify)  **Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) 0.00  **Telephone (650) 813-5850	·	1810	750	2810	375						
over original patent  1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) 144.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Complete (if applicable)  Registration No. (Altorney/Agent)  Registration No. (Altorney/Agent)  Request for expedited examination of a design application  Other fee (specify)  *Reduced by Basic Filing Fee Paid  SUBTOTAL (3) (\$) 0.00  **Telephone (650) 813-5850		1801	750	2801	375		The state of the s				
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent  SUBTOTAL (2) (\$) 144.00  **or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Complete (if applicable)  Registration No. (Altorney/Agent)  Registration No. (Altorney/Agent)  Registration No. (Altorney/Agent)  Rejstration No. (Altorney/Agent)  Telephone (650) 813-5850	over original patent		1802 900 1802 900 Request			Request for	or expedited examination				
***or number previously paid, if greater; For Reissues, see above  **Or number previously paid, if greater; For Reissues, see above  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Complete (if applicable)  **Reduced by Basic Filing Fee Paid  **Reduced				t		of a design a	gn application				
**or number previously paid, if greater; For Reissues, see above  SUBMITTED BY  Complete (if applicable)  Name (Print/Type) Norman R. Klivans  Registration No. (Altorney/Agent) 33,003  Telephone (650) 813-5850	SUBTOTAL (2) (5) 144.00										
SUBMITTED BY  Complete (if applicable)  Name (Print/Type)   Norman R. Klivans   Registration No. (Attorney/Agent)   33,003   Telephone   (650) 813-5850	(1)										
Name (Print/Type) Norman R. Klivans Registration No. (Attorney/Agent) 33,003 Telephone (650) 813-5850	SUBMITTED BY Complete (if applicable)										
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